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(54) PVA BASED FILM AND OPTICAL FILM

(57)Abstract:

PURPOSE: To provide a PVA (polyvinylalcohol) based film having an excellent optical homogeneity, a PVA based polarizing film and a PVA based phase difference film.
CONSTITUTION: The PVA based film having a $\cdot 1.0 \times 10^{-3}$ average double refractive index (Δn) and a $\cdot 0.13 \times 10^{-3}$ double refractive index variation (R_n), preferably has a 20 to 100 μm average 'thickness (t) and a $\cdot 3\%$ thickness variation (R_t). The polarizing film using the PVA based film has a $\cdot 0.5\%$ monochromatic transmittance variation (R_y) and a $\cdot 2.5$ dichroism ratio variation (ΔR_d). The phase difference film using the PVA based film has a $\cdot 2\%$ phase difference variation (R_e).

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